

ATGGACATTGACCCTTATAAAGAATTTGGAGCTACTGTGGAGTTACTCTCGTTTTTGCC
TTCTGACTTCTTTCCTTCCGTCAGAGATCTCCTAGACACCGCCTCAGCTCTGTATCGGG
AAGCCTTAGAGTCTCCTGAGCATTGCTCACCTCACCACACCGCACTCAGGCAAGCCATT
CTCTGCTGGGGGGAATTGATGACTCTAGCTACCTGGGTGGGTAATAATTTGGAAGATCC
AGCATCAAGGGATCTAGTAGTCAATTATGTTAATACTAACATGGGTTTAAAAATTAGGC
AACTATTGTGGTTTCATATATCTTGCCTTACTTTTGGAAGAGAGACTGTACTTGAATAT
TTGGTATCTTTCGGAGTGTGGATTTCGCACTCCTCCAGCCTATAGACCACCAAATGCCCC
TATCTTATCAACACTTCCGGAACTACTGTTGTTAGACGACGGGACCGAGGCAGGTCCC
CTAGAAGAAGAACTCCCTCGCCTCGCAGACGCAGATCTCAATCGCCGCGTCGCAGAAGA
TCTCAATCTCGGGAATCTCAATGTTGA (SEQ ID NO:1)

Fig. 1

MDIDPYKEFGATVELLSFLPSDFFPSVRDLLDTASALYREALSPEHCSPHHTALRQAI
LCWGELMTLATWVGNNLEDPASRDLVVNYVNTNMGLKIRQLLWFHISCLTFGRETVLEY
LVSGVWIRTTPPAYRPPNAPILSTLPETTVVRRRDRGRSPRRRTSPSPRRRSQSPRRRR
SQSRESQC (SEQ ID NO:2)

Fig. 2

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2

ATGGGCAGCAGCCATCATCATCATCACAGCAGCGGCCTGGTGCCGCGCGGCAGCCA
TATGGACATTGACCCCTTATAAAGAAATTTGGAGCTACTGTGGAGTTACTCTCGTTTTTGC
CTTCTGACTTCTTTCCTTCCGTCAGAGATCTCCTAGACACCGCCTCAGCTCTGTATCGG
GAAGCCTTAGAGTCTCCTGAGCATTGCTCACCTCACCACACCGCACTCAGGCAAGCCAT
TCTCTGCTGGGGGGAATTGATGACTCTAGCTACCTGGGTGGGTAATAATTTGGAAGATC
CAGCATCAAGGGATCTAGTAGTCAGTTATGTTAATACTAACATGGGTTTAAAATTTAGG
CAACTATTGTGGTTTTCATATATCTTGCCTTACTTTTGAAGAGAGACTGTACTTGAATA
TTTGGTATCTTTCGGAGTGTGGATTGCGACTCCTCCAGCCTATAGACCACCAAATGCCC
CTATCTTATCAACACTTCCGGAAACTACTGTTGTTAACTGA (SEQ ID NO:3)

Fig. 3

Fig. 4

[illegible]

ATGGGCAGCAGCCATCATCATCATCACAGCAGCGGCCTGGTGCCGCGCGGCAGCCA
TATGGACATTGACCCTTATAAAGAAATTTGGAGCTACTGTGGAGTTACTCTCGTTTTTGC
CTTCTGACTTCTTTCCTTCCGTCAGAGATCTCCTAGACACCGCCTCAGCTCTGTATCGG
GAAGCCTTAGAGTCTCCTGAGCATTGCTCACCTCACCACACCGCACTCAGGCAAGCCAT
TCTCTGCTGGGGGGAATTGATGACTCTAGCTACCTGGGTGGGTAATAATTTGGAAGATC
CAGCATCAAGGGATCTAGTAGTCAATTATGTTAATACTAACATGGGTTTAAAATTTAGG
CAACTATTGTGGTTTTCATATATCTTGCCTTACTTTTGGGAAGAGAGACTGTACTTGAATA
TTTGGTATCTTTCGGAGTGTGGATTGCGACTCCTCCAGCCTATAGACCACCAAATGCCC
CTATCTTATCAACACTTCCGGAACTACTGTTGTTAGACGACGGGACCGAGGCAGGTCC
CCTAGAAGAAGAACTCCCTCGCCTCGCAGACGCAGATCTCAATCGCCGCGTCGCAGAAG
ATCTCAATCTCGGGAATCTCAATGTGTTAACGCCAAGACAATTGCGTACGACGAAGAGG
CCCGTCGCGGCCTCGAGCGGGGCTTGAACGCCCTCGCCGATGCGGTAAAGGTGACATTG
GGCCCCAAGGGCCGCAACGTCGTCCTGGAAAAGAAGTGGGGTGCCCCACGATCACCAA
CGATGGTGTGTCCATCGCCAAGGAGATCGAGCTGGAGGATCCGTACGAGAAGATCGGCG
CCGAGCTGGTCAAAGAGGTAGCCAAGAAGACCGATGACGTCGCCGGTGACGGCACCACG
ACGGCCACCGTGCTGGCCCAGGCGTTGGTTTCGCGAGGGCCTGCGCAACGTCGCGGCCGG
CGCCAACCCGCTCGGTCTCAAACGCGGCATCGAAAAGGCCGTGGAGAAGGTCACCGAGA
CCCTGCTCAAGGGCGCCAAGGAGGTGAGACCAAGGAGCAGATTGCGGCCACCGCAGCG
ATTTGCGCGGGTGACCAGTCCATCGGTGACCTGATCGCCGAGGCGATGGACAAGGTGGG
CAACGAGGGCGTCATCACCGTCGAGGAGTCCAACACCTTTGGGCTGCAGCTCGAGCTCA
CCGAGGGTATGCGGTTGACAAGGGCTACATCTCGGGGTACTTCGTGACCGACCCGGAG
CGTCAGGAGGCGGTCTCTGGAGGACCCCTACATCCTGCTGGTCAGCTCCAAGGTGTCCAC
TGTCAGGATCTGCTGCCGCTGCTCGAGAAGGTCATCGGAGCCGGTAAGCCGCTGCTGA
TCATCGCCGAGGACGTGAGGGCGAGGCGCTGTCCACCCTGGTCGTCAACAAGATCCGC
GGCACCTTCAAGTCGGTGGCGGTCAAGGCTCCCGGCTTCGGCGACCGCCGCAAGGCGAT
GCTGCAGGATATGGCCATTCTCACCGGTGGTCAGGTGATCAGCGAAGAGGTGCGGCCTGA
CGCTGGAGAACGCCGACCTGTCGCTGCTAGGCAAGGCCCGCAAGGTCGTGGTCACCAAG
GACGAGACCACCATCGTCGAGGGCGCCGGTGACACCGACGCCATCGCCGGACGAGTGGC
CCAGATCCGCCAGGAGATCGAGAACAGCGACTCCGACTACGACCGTGAGAAGCTGCAGG

Fig. 5 (page 1 of 2)

AGCGGCTGGCCAAGCTGGCCGGTGGTGTGCGGGTGATCAAGGCCGGTGCCGCCACCGAG
GTCGAACTCAAGGAGCGCAAGCACCGCATCGAGGATGCGGTTGCAATGCCAAGGCCGC
CGTCGAGGAGGGCATCGTCGCCGGTGGGGGTGTGACGCTGTTGCAAGCGGCCCCGACCC
TGGACGAGCTGAAGCTCGAAGGCGACGAGGCGACCGGCGCCAACATCGTGAAGGTGGCG
CTGGAGGCCCCGCTGAAGCAGATCGCCTTCAACTCCGGGCTGGAGCCGGGCGTGGTGGC
CGAGAAGGTGCGCAACCTGCCGGCTGGCCACGGACTGAACGCTCAGACCGGTGTCTACG
AGGATCTGCTCGCTGCCGGCGTTGCTGACCCGGTCAAGGTGACCCGTTCCGGCGCTGCAG
AATGCGGCGTCCATCGCGGGGCTGTTCTGACCACCGAGGCCGTCGTTGCCGACAAGCC
GGAAAAGGAGAAGGCTTCCGTTCCCGGTGGCGGCGACATGGGTGGCATGGATTTCTGA
(SEQ ID NO:5)

Fig. 5 (page 2 of 2)

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MGSSHHHHHSSGLVPRGSHMDIDPYKEFGATVELLSFLPSDFFPSVRDLLDTASALYR
EALSPHEHCSPHHTALRQAILCWGELMTLATWVGNNLEDPASRDLVVNYVNTNMGLKFR
QLLWFHISCLTFGRETVLEYLVSFVWIRTPPAYRPPNAPILSTLPETTVVRRRDRGRS
PRRRTPSPRRRRSQSPRRRSQSRESQCVNAKTIAAYDEEARRGLERGLNALADAVKVTL
GPKGRNVVLEKKWGAPTITNDGVSIKEIELEDPYEKIGAEKVKEVAKKTDDVAGDGT
TATVLAQALVREGLRNVAAGANPLGLKRGIEKAVEKVTETLLKGAKEVETKEQIAATAA
ISAGDQSIGDLIAEAMDKVNEGVIITVEESNTFGLQLELTEGMRFDKGYISGYFVTDPE
RQEAVLEDPYILLVSSKVSTVKDLLPLEKVIAGKPLLIIEEDVEGEALSTLVVNKIR
GTFKSVAVKAPGFGDRRKAMLQDMAILTGGQVISEEVGLTLENADLSLLGKARKVVVTK
DETTIVEGAGDTDAIAGRVAQIRQEIENSDDYDREKLQERLAKLAGGVAVIKAGAATE
VELKERKHRIEDAVRNAKAAVEEGIVAGGGVTLLQAAPTLDELKLEGDEATGANIVKVA
LEAPLKQIAFNGLPGVVAEKVRNLPAGHGLNAQTGVYEDLLAAGVADPVKVTRSAQ
NAASIAGLFLTTEAVVADKPEKEKASVPGGDMGGMDF (SEQ ID NO:6)

Fig. 6

ATGGGCAGCAGCCATCATCATCATCATCACAGCAGCGGCCTGGTGCCGCGCGGCAGCCATATGGA
CATTGACCCCTATAAAGAATTTGGAGCTACTGTGGAGTTACTCTCGTTTTTGCCTTCTGACTTCT
TTCCTTCCGTCAGAGATCTCCTAGACACCGCCTCAGCTCTGTATCGGGAAGCCTTAGAGTCTCCT
GAGCATTGCTCACCTACCAACACCGCACTCAGGCAAGCCATTCTCTGCTGGGGGAATTGATGAC
TCTAGCTACCTGGGTGGGTAATAATTTGGAAGATCCAGCATCAAGGGATCTAGTAGTCAGTTATG
TTAATACTAACATGGGTTTAAAATTTAGGCAACTATTGTGGTTTCATATATCTTGCCTTACTTTT
GGAAGAGAGACTGTACTTGAATATTTGGTATCTTTCGGAGTGTGGATTTCGCACTCCTCCAGCCTA
TAGACCACCAAATGCCCCATCTTATCAACACTTCCGGAACTACTGTTGTTAACGCCAAGACAA
TTGCGTACGACGAAGAGGCCCGTCGCGGCCTCGAGCGGGGCTTGAACGCCCTCGCCGATGCGGTA
AAGGTGACATTGGGCCCCAAGGGCCGCAACGTCGTCCTGGAAAAGAAGTGGGGTGCCCCACGAT
CACCAACGATGGTGTGTCCATCGCCAAGGAGATCGAGCTGGAGGATCCGTACGAGAAGATCGGCG
CCGAGCTGGTCAAAGAGGTAGCCAAGAAGACCGATGACGTCGCCGGTGACGGCACCACGACGGCC
ACCGTGCTGGCCCAGGCGTTGGTTTCGCGAGGGCCTGCGCAACGTCGCGGCCGGCGCCAACCCGCT
CGGTCTCAAACGCGGCATCGAAAAGGCCGTGGAGAAGGTCACCGAGACCCTGCTCAAGGGCGCCA
AGGAGGTCGAGACCAAGGAGCAGATTGCGGCCACCGCAGCGATTTGCGCGGGTGACCAGTCCATC
GGTGACCTGATCGCCGAGGCGATGGACAAGGTGGGCAACGAGGGCGTCATCACCGTCGAGGAGTC
CAACACCTTTGGGCTGCAGCTCGAGCTCACCGAGGGTATGCGGTTTCGACAAGGGCTACATCTCGG
GGTACTTCGTGACCGACCCGGAGCGTCAGGAGGCGGTCCTGGAGGACCCCTACATCCTGCTGGTC
AGCTCCAAGGTGTCCACTGTCAAGGATCTGCTGCCGCTGCTCGAGAAGGTCATCGGAGCCGGTAA
GCCGCTGCTGATCATCGCCGAGGACGTCGAGGGCGAGGCGCTGTCCACCCTGGTCGTCAACAAGA
TCCGCGGCACCTTCAAGTCGGTGGCGGTCAAGGCTCCCGGCTTCGGCGACCGCCGCAAGGCGATG
CTGCAGGATATGGCCATTCTCACCGGTGGTCAGGTGATCAGCGAAGAGGTCGGCCTGACGCTGGA
GAACGCCGACCTGTCGCTGCTAGGCAAGGCCCGCAAGGTCGTGGTCACCAAGGACGAGACCACCA
TCGTGAGGGCGCCGGTGACACCGACGCCATCGCCGGACGAGTGGCCAGATCCGCCAGGAGATC
GAGAACAGCGACTCCGACTACGACCGTGAGAAGCTGCAGGAGCGGCTGGCCAAGCTGGCCGGTGG
TGTCGCGGTGATCAAGGCCGGTGCCGCCACCGAGGTCGAACTCAAGGAGCGCAAGCACCGCATCG
AGGATGCGGTTTCGCAATGCCAAGGCCGCCGTGAGGAGGGCATCGTCGCCGGTGGGGGTGTGACG
CTGTTGCAAGCGGCCCCGACCCTGGACGAGCTGAAGCTCGAAGGCGACGAGGCGACCGGCGCCAA
CATCGTGAAGGTGGCGCTGGAGGGCCCCGCTGAAGCAGATCGCCTTCAACTCCGGGCTGGAGCCGG
GCGTGGTGGCCGAGAAGGTGCGCAACCTGCCGGCT

Fig. 7 (page 1 of 2)

MGSSHHHHHSSGLVPRGSHMDIDPYKEFGATVELLSFLPSDFFPSVRDLLDTASALYR
EALSPHCHSPHHTALRQAILCWGELMTLATWVGNNLEDPASRDLVVS YVNTNMGLKFR
QLLWFHISCLTFGRETVLEYLVSFVWIRTPPAYRPPNAPILSTLPETTVVNAKTIAYD
EEARRGLERGLNALADAVKVTLGPKGRNVVLEKKWGAPTITNDGVSIKEIELEDPYEK
IGAELVKEVAKKTDDVAGDGT TTTATVLAQALVREGLRNVAAGANPLGLKRGIEKAVEKV
TETLLKGAKETKEQIAATAAISAGDQSIGDLIAEAMDKVGNVITVEESNTFGLQL
ELTEGMRFDKGYISGYFVTDPERQEAVLEDPYILLVSSKVSTVKDLLPLLEKVI GAGKP
LLIIAEDVEGEALSTLVVNKIRGTFKSVAVKAPGFGDRRKAMLQDMAILTGGQVISEEV
GLTLENADLSLLGKARKVVVTKDETTIVEGAGD TDAIAGRVAQIRQEIENS DSDYDREK
LQERLAKLAGGVAVIKAGAATEVELKERKHRIEDAVRNAKAAVEEGIVAGGGVTLLQAA
PTLDELKLEGDEATGANIVKVALEAPLKQIAFN SGLEPGVVAEKVRNLPAGHGLNAQTG
VYEDLLAAGVADPVKVTRSALQNAASIAGLFLTTEAVVADKPEKEKASVPGGGDMGGMD
F
SEQ ID NO:8)

Fig. 8

ATGGACATTGACCCTTATAAAGAATTTGGAGCTACTGTGGAGTTACTCTCGTTTTTGCCTTCTGA
CTTCTTTCCTTCCGTCAGAGATCTCCTAGACACCGCCTCAGCTCTGTATCGGGAAGCCTTAGAGT
CTCCTGAGCATTGCTCACCTCACCACACCGCACTCAGGCAAGCCATTCTCTGCTGGGGGGAATTG
ATGACTCTAGCTACCTGGGTGGGTAATAATTTGGAAGATCCAGCATCAAGGGATCTAGTAGTCAA
TTATGTTAATACTAACATGGGTTTAAATTTAGGCAACTATTGTGGTTTCATATATCTTGCCTTA
CTTTTGAAGAGAGACTGTACTTGAATATTTGGTATCTTTCGGAGTGTGGATTTCGCACTCCTCCA
GCCTATAGACCACCAAATGCCCCCTATCTTATCAACACTTCCGGAACTACTGTTGTTAGACGAGC
CAAGACAATTGCGTACGACGAAGAGGCCCGTCGCGGCCTCGAGCGGGGCTTGAACGCCCTCGCCG
ATGCGGTAAAGGTGACATTGGGCCCCAAGGGCCGCAACGTCGTCTTGAAAAGAAGTGGGGTGCC
CCCACGATCACCAACGATGGTGTGTCCATCGCCAAGGAGATCGAGCTGGAGGATCCGTACGAGAA
GATCGGCGCCGAGCTGGTCAAAGAGGTAGCCAAGAAGACCGATGACGTCGCCGGTGACGGCACCA
CGACGGCCACCGTGCTGGCCCAGGCGTTGGTTTCGCGAGGGCCTGCGCAACGTCGCGGCCGGCGCC
AACCCGCTCGGTCTCAAACGCGGCATCGAAAAGGCCGTGGAGAAGGTCACCGAGACCCTGCTCAA
GGGCGCCAAGGAGGTGAGACCAAGGAGCAGATTGCGGCCACCGCAGCGATTTGCGCGGGTGACC
AGTCCATCGGTGACCTGATCGCCGAGGCGATGGACAAGGTGGGCAACGAGGGCGTCATCACCGTC
GAGGAGTCCAACACCTTTGGGCTGCAGCTCGAGCTCACCGAGGGTATGCGGTTGACAAGGGCTA
CATCTCGGGGTACTTCGTGACCGACCCGGAGCGTCAGGAGGCGGTCCTGGAGGACCCCTACATCC
TGCTGGTCAGCTCCAAGGTGTCCACTGTCAAGGATCTGCTGCCGCTGCTCGAGAAGGTCATCGGA
GCCGGTAAGCCGCTGCTGATCATCGCCGAGGACGTCGAGGGCGAGGCGCTGTCCACCCTGGTCGT
CAACAAGATCCGCGGCACCTTCAAGTCGGTGGCGGTCAAGGCTCCCGGCTTCGGCGACCGCCGCA
AGGCGATGCTGCAGGATATGGCCATTCTCACCGGTGGTCAGGTGATCAGCGAAGAGGTGCGCCTG
ACGCTGGAGAACGCCGACCTGTGCTGCTAGGCAAGGCCCGCAAGGTCGTGGTCACCAAGGACGA
GACCACCATCGTCGAGGGCGCCGGTGACACCGACGCCATCGCCGGACGAGTGGCCCAGATCCGCC
AGGAGATCGAGAACAGCGACTCCGACTACGACCGTGAGAAGCTGCAGGAGCGGCTGGCCAAGCTG
GCCGGTGGTGTGCGGGTGATCAAGGCCGGTGCCGCCACCGAGGTGGAATCAAGGAGCGCAAGCA
CCGCATCGAGGATGCGGTTGCAATGCCAAGGCCCGCGTCGAGGAGGGCATCGTCGCCGGTGGGG
GTGTGACGCTGTTGCAAGCGGCCCCGACCCTGGACGAGCTGAAGCTCGAAGGCGACGAGGCGACC
GGCGCCAACATCGTGAAGGTGGCGCTGGAGGCCCCGCTGAAGCAGATCGCCTTCAACTCCGGGCT
GGAGCCGGGCGTGGTGGCCGAGAAGGTGCGCAACCTGCCGGCTGGCCACGACTGAACGCTCAGA
CCGGTGTCTACGAGGATCTGCTCGCTGCCGGCGTTGCTGACCCGGTCAAGGTGACCCGTTCCGGC
CTGCAGAAATGCGGCGTCCATCGCGGGGCTGTTCTGACCACCGAGGCCGTCGTTGCCGACAAGCC
GGAAAAGGAGAAGGCTTCCGTTCCCGGTGGCGGCGACATGGGTGGCATGGATTTCTGA SEQID

NO:9)

Fig. 9

MDIDPYKEFGATVELLSFLPSDFFPSVRDLLDTASALYREALESPEHCSPHHTALRQAI
LCWGELMTLATWVGNNLEDPASRDLVVNYVNTNMGLKFRQLLWFHISCLTFGRETVLEY
LVSFGVWIRTPPAYRPPNAPILSTLPETTVVRRAKTIAYDEEARRGLERGLNALADAVK
VTLGPKGRNVVLEKKWGAPTITNDGVSIAKEIELEDPYEKIGAELVKEVAKKTDDVAGD
GTTTATVLAQALVREGLRNVAAGANPLGLKRGIEKAVEKVTETLLKGAKEVETKEQIAA
TAAISAGDQSIGDLIAEAMDKVGNEGVITVEESNTFGLQLELTEGMRFDKGYISGYFVT
DPERQEAVLEDPYILLVSSKVSTVKDLLPILLEKVI GAGKPLLI IAEDVEGEALSTLVVN
KIRGTFKSVAVKAPGFGDRRKAMLQDMAILTGGQVISEEVGLTLENADLSLLGKARKVV
VTKDETTIVEGAGD TDAIAGRVAQIRQEIENS DSDYDREKLQERLAKLAGGVAVIKAGA
ATEVELKERKHRIEDAVRNAKA AVEEGIVAGGGVTLLQAAPTLD ELKLEGDEATGANIV
KVALEAPLKQIAFN SGLPEGVVAEKVRNLPAGHGLNAQTGVYEDLLAAGVADPVKVTRS
ALQNAASIAGLFLTTEAVVADKPEKEKASVPGGGDMGGMDF (SEQ ID NO:10)

Fig. 10

ATGGACATTGACCCCTATAAAGAATTTGGAGCTACTGTGGAGTTACTCTCGTTTTTGCCTTCTGA
CTTCTTTCCTTCCGTCAGAGATCTCCTAGACACCGCCTCAGCTCTGTATCGGGAAGCCTTAGAGT
CTCCTGAGCATTGCTCACCTCACACACCGCACTCAGGCAAGCCATTCTCTGCTGGGGGGAATTG
ATGACTCTAGCTACCTGGGTGGGTAATAATTTGGAAGATCCAGCATCAAGGGATCTAGTAGTCAA
TTATGTTAATACTAACATGGGTTTAAAATTTAGGCAACTATTGTGGTTTCATATATCTTGCCTTA
CTTTTGAAGAGAGACTGTACTTGAATATTTGGTATCTTTCGGAGTGTGGATTGCACTCCTCCA
GCCTATAGACCACCAAATGCCCCTATCTTATCAACACTTCGGGAACTACTGTTGTTAGACGACG
GGACCGAGGCAGGTCCCCTAGAAGAAGAACTCCCTCGCCTCGCAGACGCAGATCTCAATCGCCGC
GTCGCAGAAGATCTCAATCTCGGGAATCTCAATGTGCCAAGACAATTGCGTACGACGAAGAGGCC
CGTCGCGGCCTCGAGCGGGGCTTGAACGCCCTCGCCGATGCGGTAAAGGTGACATTGGGCCCCAA
GGGCCGCAACGTCGTCCTGGAAAAGAAGTGGGGTGCCCCACGATACCAACGATGGTGTGTCCA
TCGCCAAGGAGATCGAGCTGGAGGATCCGTACGAGAAGATCGGCGCCGAGCTGGTCAAAGAGGTA
GCCAAGAAGACCGATGACGTCGCCGGTGACGGCACACGACGGCCACCGTGCTGGCCCAGGCGTT
GGTTCGCGAGGGCCTGCGCAACGTCGCGGCCGGCGCCAACCCGCTCGGTCTCAAACGCGGCATCG
AAAAGGCCGTGGAGAAGGTCAACGAGACCCTGCTCAAGGGCGCCAAGGAGGTCGAGACCAAGGAG
CAGATTGCGGCCACCGCAGCGATTTGCGCGGGTGACCAGTCCATCGGTGACCTGATCGCCGAGGC
GATGGACAAGGTGGGCAACGAGGGCGTCATCACCGTCGAGGAGTCCAACACCTTTGGGCTGCAGC
TCGAGCTCACCGAGGGTATGCGGTTGACAAGGGCTACATCTCGGGGTACTTCGTGACCGACCCG
GAGCGTCAGGAGGCGGTCTTGAGGACCCCTACATCCTGCTGGTCAGCTCCAAGGTGTCCACTGT
CAAGGATCTGCTGCCGCTGCTCGAGAAGGTCAACGAGCCGTAAGCCGCTGCTGATCATCGCCG
AGGACGTCGAGGGCGAGGCGCTGTCCACCCTGGTCGTCAACAAGATCCGCGGCACCTTCAAGTCG
GTGGCGGTCAAGGCTCCCGGCTTCGGCGACCGCCGAAGGCGATGCTGCAGGATATGGCCATTCT
CACCGGTGGTCAGGTGATCAGCGAAGAGGTGCGCCTGACGCTGGAGAACGCCGACCTGTGCTGC
TAGGCAAGGCCCCGAAGGTCGTGGTCACCAAGGACGAGACCACCATCGTCGAGGGCGCCGGTGAC
ACCGACGCCATCGCCGACGAGTGGCCAGATCCGCCAGGAGATCGAGAACAGCGACTCCGACTA
CGACCGTGAGAAGCTGCAGGAGCGGCTGGCCAAGCTGGCCGGTGGTGTGCGGGTGATCAAGGCCG
GTGCCGCCACCGAGGTGCAACTCAAGGAGCGCAAGCACCGCATCGAGGATGCGGTTGCAATGCC
AAGGCCGCCGTGAGGAGGGCATCGTCGCCGGTGGGGGTGTGACGCTGTTGCAAGCGGCCCCGAC
CCTGGACGAGCTGAAGCTCGAAGGCGACGAGGCGACCGGCGCCAACATCGTGAAGGTGGCGCTGG
AGGCCCCGCTGAAGCAGATCGCCTTCAACTCCGGGCTGGAGCCGGGCGTGGTGGCCGAGAAGGTG
CGCAACCTGCCGGCTGGCCACGGACTGAAC

Fig. 11 (page 1 of 2)

GCTCAGACCGGTGTCTACGAGGATCTGCTCGCTGCCGGCGTTGCTGACCCGGTCAAGGTGACCCG
TTCGGCGCTGCAGAAATGCGGCGTCCATCGCGGGGCTGTTCTTGACCACCGAGGCCGTCGTTGCCG
ACAAGCCGGAAAAGGAGAAGGCTTCCGTTCCCGGTGGCGGCGACATGGGTGGCATGGATTTCTGA
(SEQ ID NO:11)

Fig. 11 (page 2 of 2)

11

MDIDPYKEFGATVELLSFLPSDFFPSVRDLLDTASALYREALESPEHCSPHHTALRQAI
LCWGELMTLATWVGNNLEDPASRDLVVNYVNTNMGLKFRQLLWFHISCLTFGRETVLEY
LVSFGVWIRTPPAYRPPNAPILSTLPETTVVRRDRGRSPRRRTSPRRRRSQSPRRR
SQSRESQCAKTIAYDEEARRGLERGLNALADAVKVTLGPKGRNVVLEKKWGAPTITNDG
VSIKEIELEDPYEKIGAELVKEVAKKTDDVAGDGTTTATVLAQALVREGLRNVAAGAN
PLGLKRGIEKAVEKVTETLLKGAKEVETKEQIAATAAISAGDQSIGDLIAEAMDKVGNE
GVITVEESNTFGLQLELTEGMRFDKGYISGYFVTDPERQEAVLEDPYILLVSSKVSTVK
DLLP LLEKVI GAGKPLLI AEDVEGEALSTLVVNKIRGTFKSVAVKAPGFGDRRKAMLQ
DMAILTGGQVISEEVGLTLENADLSLLGKARKVVVTKDETTIVEGAGDTDAIAGRVAQI
RQEIENS DSDYDREKLQERLAKLAGGVAVIKAGAAATEVELKERKHRIEDAVRNAKAAVE
EGIVAGGGVTLLQAAPTLDLKLKLEGDEATGANIVKVALEAPLKQIAFN SGLEPGVVAEK
VRNLPAGHGLNAQTGVYEDLLAAGVADPVKVTRSALQNAASIAGLFLTTEAVVADKPEK
EKASVPGGGDMGGMDF (SEQ ID NO:12)

Fig. 12

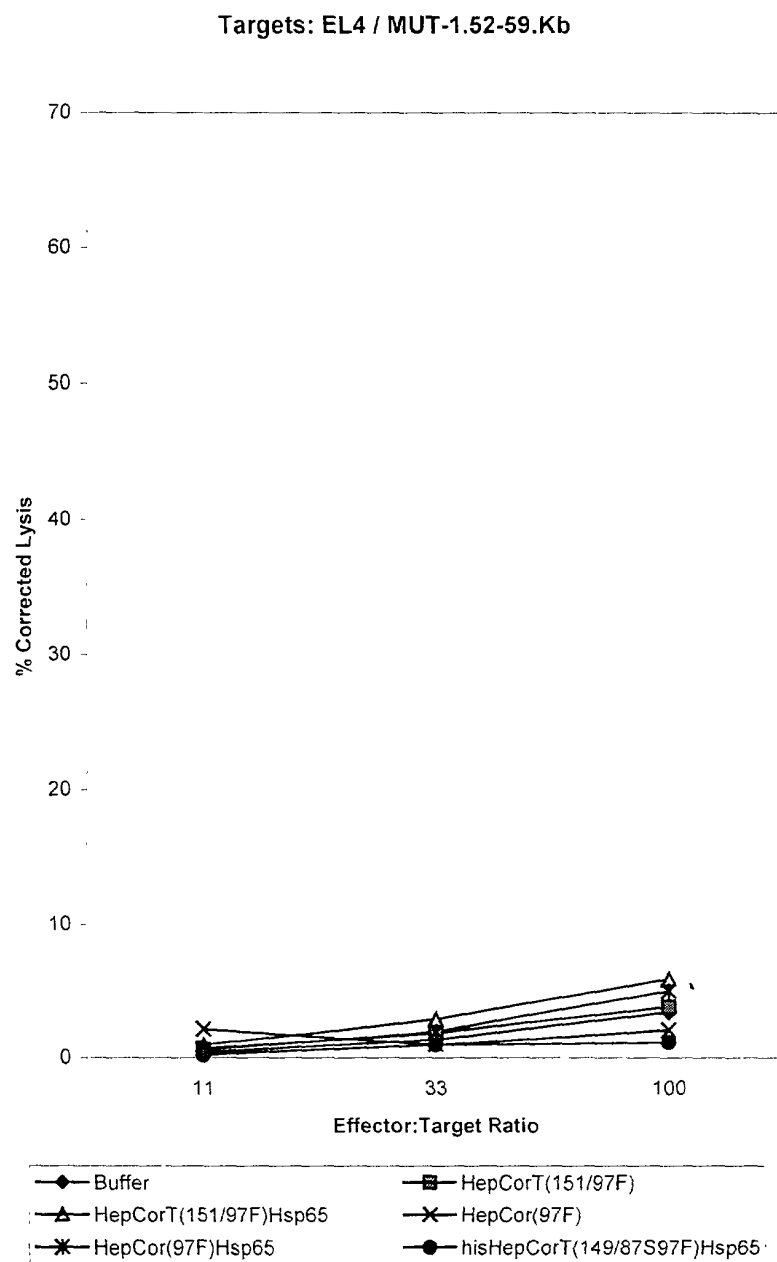


Fig. 13

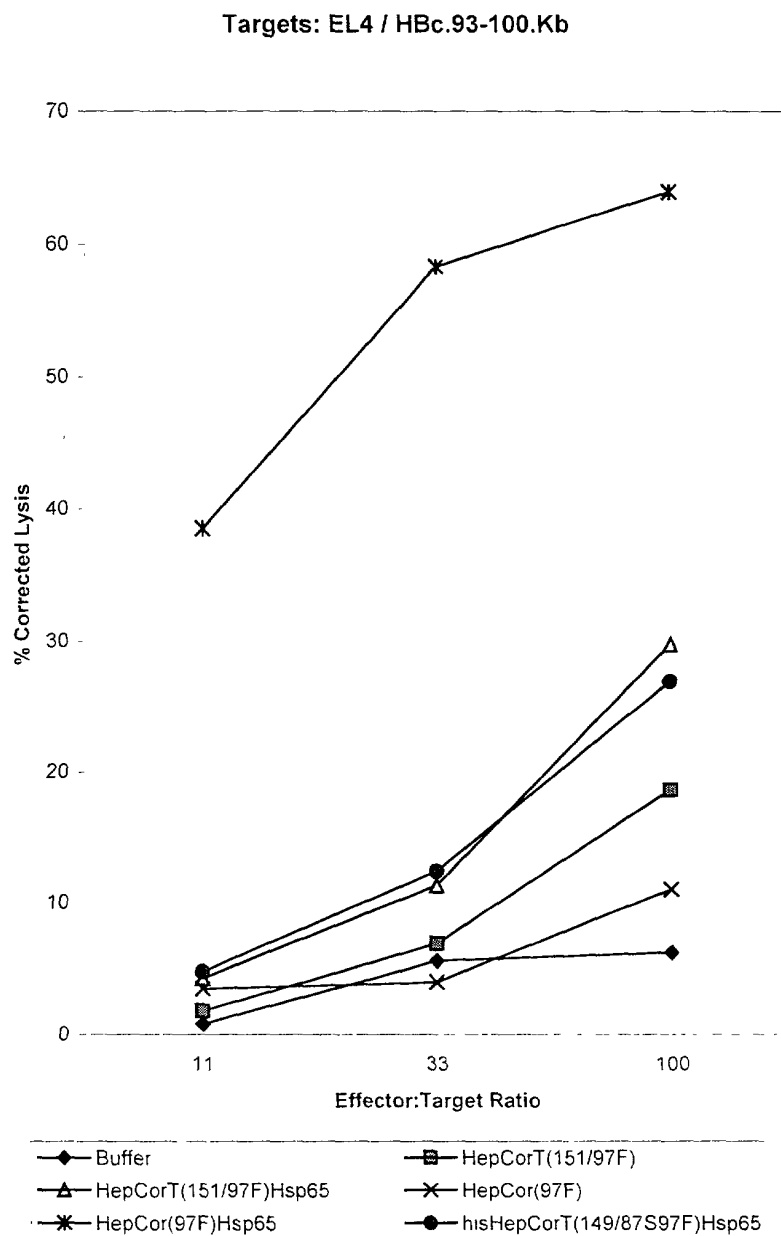


Fig. 14

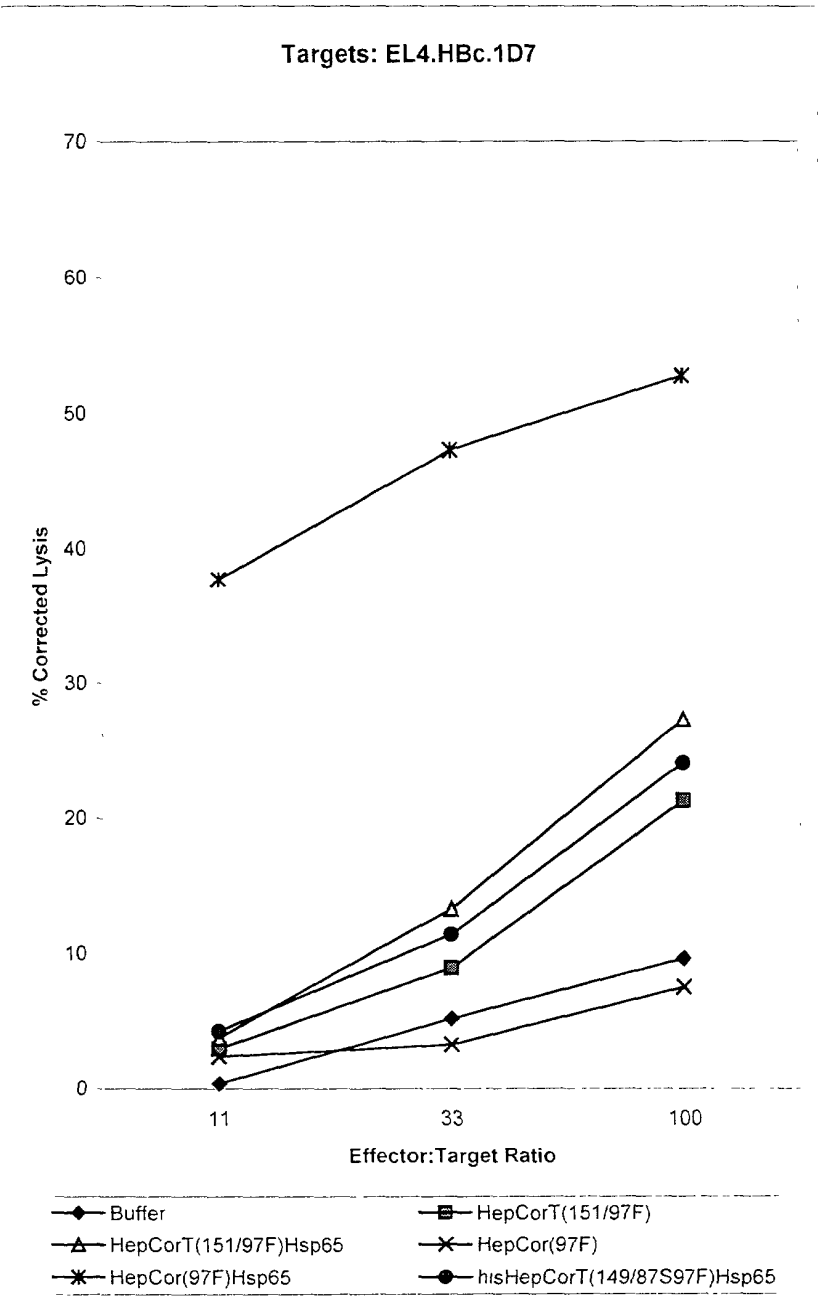


Fig. 15

Targets: EL4+HBc.93-100.Kb

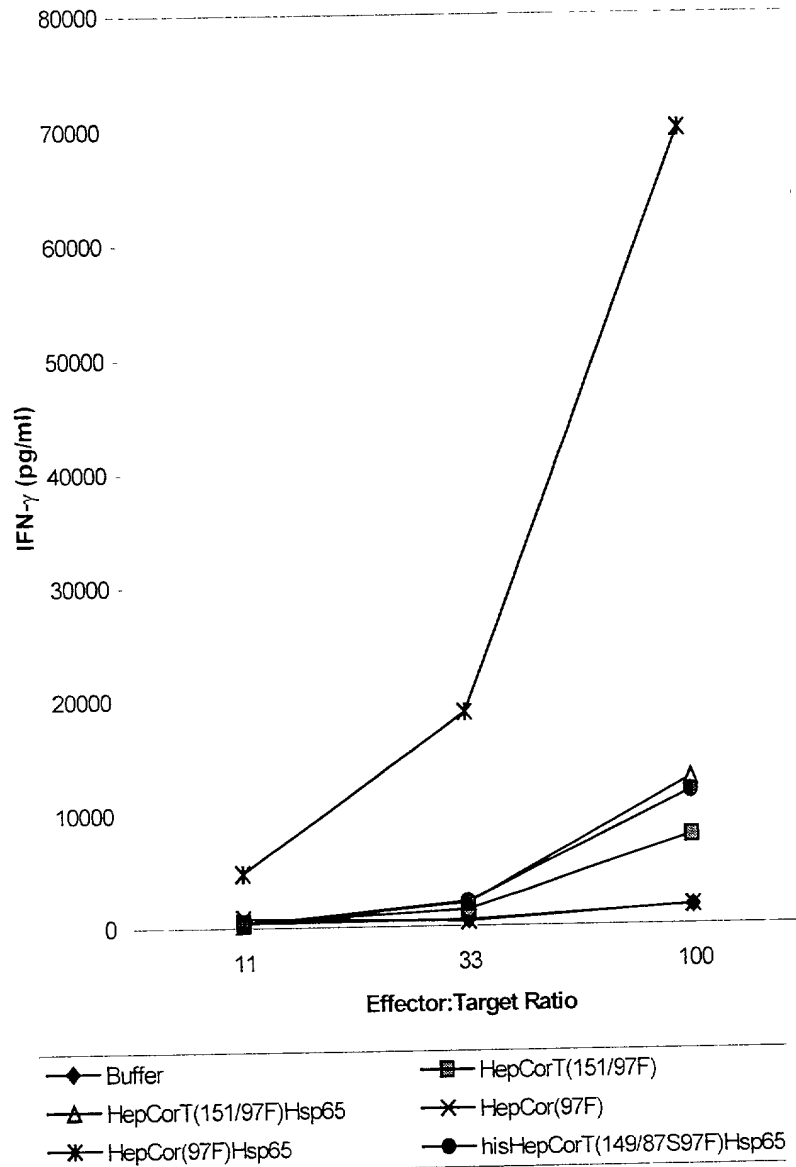


Fig. 16

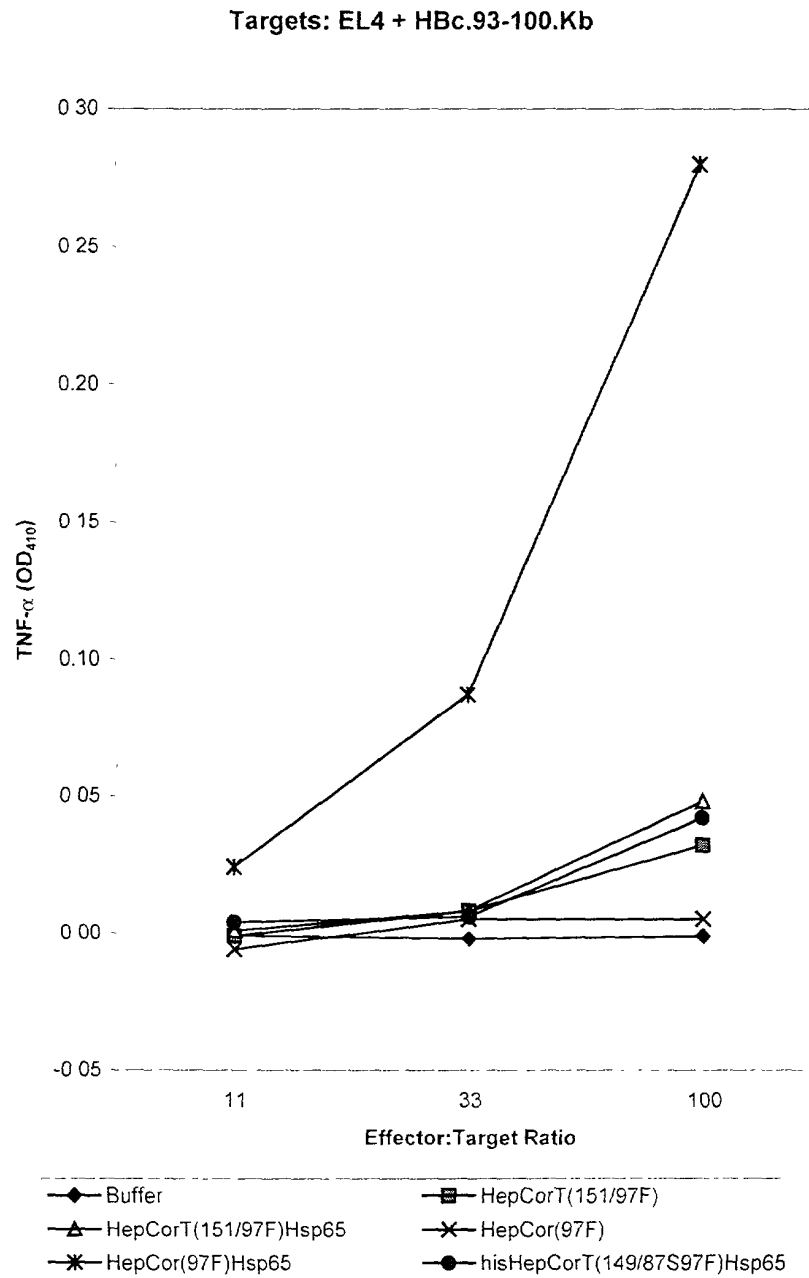


Fig. 17